

TABLE I. General Statistics: 1963 and Earlier Years

| Establishments                                | All employees       |          |                          | Production, development, and exploration workers |           |           |           |           |         |
|---|---------------------|----------|--------------------------|--|-----------|-----------|-----------|-----------|---------|
| Industry code <sup>1</sup> industry, and year | Operating companies | Total    | With 20 employee or more | Total  | Payroll   | Total     | Man-hours |           |         |
|   | (number)            | (number) | (number)                 | (number)   | (\$1,000) | (number)  | (1,000)   | (\$1,000) |         |
|   |                     |          |                          |  |           |           |           |           |         |
| 1311.—CRUDE PETROLEUM AND NATURAL GAS         |                     |          |                          |  |           |           |           |           |         |
| 1963, total.....                              |                     | 10,594   | 14,378                   |  | 145,244   | 1,016,431 | 83,444    | 166,305   | 494,910 |
| Crude petroleum subindustry.....              |                     | 9,384    | 12,326                   | 78   | 125,842   | 711,707   | 142,847   | 426,811   |         |
| Natural gas subindustry.....                  |                     | 1,628    | 2,052                    | 9  | 19,402    | 11,737    | 23,458    | 68,099    |         |
| 1958, total.....                              |                     | 8,781    | 10,620                   | 1,093  | 164,804   | 1,043,108 | 92,398    | 181,325   | 453,243 |
| Crude petroleum subindustry.....              |                     | 1,241    | 1,390                    | 16   | 15,317    | 10,087    | 19,684    | 44,624    |         |
| Natural gas subindustry.....                  |                     | 9,720    | 11,508                   | 5  | 180,121   | 102,485   | 201,009   | 497,867   |         |
| 1954, total.....                              |                     | 8,565    | 10,101                   | 97   | 172,506   | 966,780   | 109,792   | 216,581   | 459,955 |
| Crude petroleum subindustry.....              |                     | 1,290    | 1,407                    | 11   | 11,224    | 76,328    | 10,542    | 20,086    | 43,049  |
| Natural gas subindustry.....                  |                     | 8,061    | 8,605                    | 8  | 161,282   | 835,740   | 101,542   | 201,086   | 430,497 |
| 1953.....                                     |                     | (NA)     | 9,970                    | 1,042  | 136,000   | 790,946   | 105,505   | 190,674   | 155,700 |
| 1952.....                                     |                     | 8,053    | 8,202                    | (NA)   | 111,651   | 44,794    | 5         | 7         | 0       |
| 1951.....                                     |                     | 31,73    | (NA)                     | (NA)   | 11        | 169,276   | 37,603    | (NA)      | 135,397 |
| 1950.....                                     |                     | 6        | (NA)                     | (NA)   | 43,99     | 35,553    | 22,43     | (NA)      | 28,09   |
| 1949.....                                     |                     | (NA)     | (NA)                     | (NA)   | 0         | 21,319    | 8         | (NA)      | 4       |
| 1948.....                                     |                     | (NA)     | 2,314                    | (NA)   | 27,55     | 10,283    | 26,911    | (NA)      | 16,39   |
| 1947.....                                     |                     | (NA)     | 64                       | (NA)   | 8         | 7,179     | (NA)      | (NA)      | 2       |
| 1946.....                                     |                     | (NA)     |                          | (NA)   | 29,22     | 3,995     | (NA)      | (NA)      | 8,748   |
| 1945.....                                     |                     |          |                          | (NA)   | 3         | 339       | (NA)      | (NA)      | (NA)    |
| 1944.....                                     |                     |          |                          | (NA)   | 11,47     |           | (NA)      | (NA)      | (NA)    |
| 1943.....                                     |                     |          |                          | (NA)   | 7         |           | (NA)      | (NA)      | (NA)    |
| 1942.....                                     |                     |          |                          | (NA)   | 4,488     |           | (NA)      | (NA)      | (NA)    |
| 1941.....                                     |                     |          |                          | (NA)   | 922       |           | (NA)      | (NA)      | (NA)    |
| 1940.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1939.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1938.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1937.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1936.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1935.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1934.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1933.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1932.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1931.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1930.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1929.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1928.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1927.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1926.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1925.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1924.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1923.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1922.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1921.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1920.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1919.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1918.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1917.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1916.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1915.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1914.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1913.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1912.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1911.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1910.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1909.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1908.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1907.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1906.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1905.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1904.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1903.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1902.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1901.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1900.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1899.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1898.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1897.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1896.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1895.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1894.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1893.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1892.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1891.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1890.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1889.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1888.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1887.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1886.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1885.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1884.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1883.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1882.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1881.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1880.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1879.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1878.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1877.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1876.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1875.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1874.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1873.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1872.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1871.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1870.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1869.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1868.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1867.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1866.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1865.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1864.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1863.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1862.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1861.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1860.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1859.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1858.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1857.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1856.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1855.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1854.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1853.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1852.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1851.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1850.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1849.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1848.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1847.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1846.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1845.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1844.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1843.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1842.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1841.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1840.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1839.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1838.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1837.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1836.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1835.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1834.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1833.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1832.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1831.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1830.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1829.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1828.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1827.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1826.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1825.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1824.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1823.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1822.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1821.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1820.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1819.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1818.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1817.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1816.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1815.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1814.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1813.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1812.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1811.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1810.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1809.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1808.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1807.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1806.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1805.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1804.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |
| 1803.....                                     |                     |          |                          | (NA)   |           |           | (NA)      | (NA)      | (NA)    |

|           |         |        |        |     |        |
|-----------|---------|--------|--------|-----|--------|
| 9,893,763 | 102,265 | 9      | 2.6    | (N) | 1,827  |
|           | 38,008  | 350    | 99     | (A) | 1,231  |
| 8,600,086 | 24,601  | 172    |        | (N) | 1,014  |
| 1,293,677 | 19,304  | 89     | 15,896 | (A) | (NA)   |
|           | 4,255   | 35     |        | (N) | (NA)   |
| 8,385,906 | 2,588   | 26     |        | (A) | 12,502 |
|           | 101     | 4      |        | (N) | 23     |
| 7,809,898 |         | 1      |        | (A) | (NA)   |
| 576,008   | 2,353   |        | 12,085 | (N) | (NA)   |
|           |         |        |        | (A) |        |
| 7,070,097 | 2,307   | 8.8    |        | (N) | (NA)   |
|           | 46      | 60     |        | (N) | (NA)   |
| 6,642,452 |         | 3.2    |        | (N) |        |
| 427,645   | 2,201   | 25     |        | (N) | 9,123  |
|           |         |        |        | (A) |        |
|           | 2,172   | 10,085 |        | (A) | 8,636  |
| 1,375,954 | 29      |        |        | (N) | 487    |
| 931,793   |         | 7.3    |        | (N) |        |
| 185,418   |         | 86     |        | (A) | 3,397  |
|           | 1,22    |        |        |     |        |

Note: For explanation of column captions see appendix A. For more detailed historical statistics for this industry see table 1 of the corresponding chapter of the 1954 Census of Mineral Industries, Volume I.

Standard Notes: - Represents zero. (D) Withheld to avoid disclosing figures for individual companies. (NA) Not available. (X) Not applicable. Figures for 1963 and earlier years are not entirely comparable. For 1963, companies made separate establishment reports by districts for Louisiana, Texas, and New Mexico, whereas for earlier years each report (establishment) represented all operations in an entire State. Excludes Alaska: for 1958, figures for 17 establishments; for 1954, figures for 5 establishments; for 1919, figures for 1 establishment. Includes statistics for the Natural Gas Liquids Industry. The value of natural gas liquids and field condensate and drips produced in 1919 was \$78,761 thousand, and for 1909, \$29 thousand. For 1919, see also footnote 4.

Figures for average employment were reduced to a 300-day basis for establishments which operated for a shorter period. These figures, except for quantity of crude petroleum, were reported as "oil, coal" and probably include some refining as well as the production of crude petroleum, or may represent primarily the recovery of oil from coal. The figure for quantity of crude petroleum produced is an estimate by the United States Geological Survey. That agency estimated the corresponding value of crude petroleum as \$4,800 thousand.

Includes the cost of gas purchased for gas lift and repressuring and the cost of products purchased for resale.

For 1963, 1958, and 1954, represents shipments of crude petroleum, field condensate, and drips plus crude petroleum produced and used in lease operations for power and heat or other purposes.

For 1919, 1909, and 1889, represents the sum of gas sold and gas used by producers and excludes gas wasted at well locations. For 1902, it is not clear whether the figure represents only gas sold or includes also gas used by producers.

Represents the cost of drive-pipe, casing, tubing, and torpedoes.

Represents "cost of drilling". It was indicated in the 1880 report that drilling was usually done by contractors.